



Gardner Asphalt Corporation

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MATERIAL SAFETY DATA SHEET

A. IDENTIFICATION AND EMERGENCY INFORMATION

Product Name: Professional Grade Flashing Cement
Asbestos Free

Product Code: 633

Chemical Name: N/A

CAS Number: N/A
a complex mixture.

Product Appearance and Odor:

A very thick consistency black paste with a slight petroleum hydrocarbon solvent odor.

Emergency Telephone Number: CHEMTREC 800-424-9300

B. COMPONENTS AND HAZARD INFORMATION

<u>Components:</u>	<u>CAS No.</u>	<u>ACGIH TLV</u>	<u>Approximate Wt% Concentration</u>
Petroleum Asphalt	8052-42-4	5.0mg/m ³ (fume)	less than 50%
Mineral Spirits	8052-41-3	100 ppm	less than 20%
Cellulosic Fiber	9004-34-6	10 mg/m ³ *	less than 5%
Inorganic Fillers	1332-18-5	10 mg/m ³ *	less than 40%

* As respirable dust.

Hazardous Materials Identification System: (HMIS)

<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Basis</u>
2	2	0	Recommended By Gardner Asphalt

C. PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Mineral Spirits & Asphalt Components - can cause severe irritation, redness, tearing and blurred vision. Flush with large amounts of water for at least 15 minutes. Get medical attention.

Skin: Mineral Spirits & Asphalt Components - prolonged or repeated contact can cause moderate irritation, defatting & dermatitis. Remove contaminated clothing, thoroughly wash exposed area with soap and water. If irritation or redness develops and persists, get medical attention.

Inhalation: Mineral Spirits - excessive inhalation of vapors can cause irritation of nose or throat, dizziness, weakness fatigue, nausea, headache, possible unconsciousness and even asphyxiation. Remove individual to fresh air; if breathing is difficult, administer oxygen, if breathing has stopped, give artificial respiration. Keep person warm and quiet. Get medical attention.

Ingestion: Aspiration hazard. DO NOT INDUCE VOMITING - transport to hospital immediately. Get medical attention.
Note to Physician - perform gastric lavage in accordance with procedures for ingestion of petroleum products.

D. FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point: (Minimum)

103°F via TCC (Mineral Spirits)

Autoignition Temperature:

Greater than 400°F

National Fire Protection Association (NFPA) - Hazard Identification:

Health

2

Flammability

2

Reactivity

0

Basis

Recommended By
Gardner Asphalt

Handling Precautions: Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use this product with adequate ventilation. Material is COMBUSTIBLE. Material requires electrical grounding during material transfer process. All electrical equipment in storage or handling areas should be installed per NFPA requirements.

Flammable or Explosive Limits: (Approximate percent by volume in air)

Lower (LEL) 0.9%

Upper (UEL) 6.0%

Extinguishing Media and Fire Fighting Procedures:

Extinguish with dry chemical & CO₂ or Universal type foam and water fog are effective but may cause frothing. DO NOT USE WATER. Petroleum based compounds can float on water.

Decomposition Products under Fire Conditions:

May form toxic materials; carbon dioxide and carbon monoxide, and nitrogen oxides.

"Empty" Container Warning: Dispose of in an environmentally safe manner and in accordance with governmental regulations. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION, THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. For work on tanks, refer to OSHA regulation ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, repairing, welding or other contemplated operations.

E.

HEALTH AND HAZARD INFORMATION

Variability Among Individuals: Health studies have shown that individual sensitivities vary from person to person. As a precaution, exposure to vapors, liquids, mists, or fumes should be minimized.

Effects of Overexposure: (Signs and symptoms of exposure)

Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

Repeated skin contact has been shown to produce skin tumors on laboratory animals.

Signs and symptoms same as those stated in Section C.

Nature of Hazard and Toxicity Information: Prolonged or repeated skin contact with this product tends to remove skin oils possibly leading to irritation and dermatitis, however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

Product contacting the eyes may cause eye irritation.

Product has a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury and possibly death.

Pre-existing Medical Conditions Which May be Aggravated by Exposure:

Persons with pre existing central nervous system disease, skin disorders, or chronic respiratory disease should avoid exposure to this product.

F. PHYSICAL DATA

The following are approximate or typical values and should not be used for precise design purposes.

Boiling Range:

Mineral Spirits: 300 - 390°F

Specific Gravity:

Approximately 1.07 - 1.11

Molecular Weight: N/A
complex mixture of hydrocarbons

pH: N/A

Pour, Congealing or
Melting Point:

N/A, product
is a thick paste consistency

Viscosity:

A thick paste consistency,
greater than 100,000 cps.

Vapor Pressure: Approximately
6mm Hg 106°F - estimated

Vapor Density: Approximately

3.9 (air = 1.0)

Percent Volatile by Volume:
less than 25

Evaporation Rate @ 1 ATM and 25°C (77°F)

Slower than ether (ethyl
ether = 1)

Solubility in Water @ 1 ATM and
25°C (77°F):

Insoluble

G. REACTIVITY

This product is stable and will not violently react with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

H. ENVIRONMENT INFORMATION

Steps to be taken in case material is released or spilled:

Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbents to spill area. Minimize skin contact & breathing vapors. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and water courses by diking or impounding. Advise authorities if product has entered or may enter sewers, water courses or extensive land areas. Assure conformity with applicable governmental regulations.

Reportable Quantity (RQ), EPA Regulation 40 CFR 302:

Not established

Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355:

Not established

Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372:

Not established

EPA Hazard Classification Code:

Acute <u>Hazard</u>	Chronic <u>Hazard</u>	Fire <u>Hazard</u>	Pressure <u>Hazard</u>	Reactive <u>Hazard</u>	Not <u>Applicable</u>
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I. PROTECTION AND PRECAUTIONS

Ventilation: Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use explosion-proof equipment. No smoking or open lights.

Respiratory Protection: Use supplied air respiratory protection in confined or enclosed spaces, if needed.

Protective Gloves: Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Other Protective Equipment: Use chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

Work Practices/Engineering Controls: Keep containers closed when not in use. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. To prevent fire or explosion risk from static accumulation and discharge, effectively ground product transfer system in accordance with NFPA standard for petroleum products.

Personal Hygiene: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dryclean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

J. TRANSPORTATION INFORMATION

Transportation Incident Information:

For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Guidebook for Hazardous Materials Incidents, DOT P 5800.3.

DOT Identification Number: N/A 1999
DOT Shipping Name: Asphalt, Cutback
Hazard Classification: Combustible Liquid

The information and recommendations contained herein are to the best of Gardner Asphalt's knowledge and belief, accurate and reliable as of the date issued. Gardner Asphalt does not warrant or guarantee their accuracy or reliability, and Gardner Asphalt shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the users consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use.

The Environmental Information included under Section H hereof as well as the Hazardous Material Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by Gardner Asphalt Corporation in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with Gardner Asphalt's interpretation of the available data.

For Other Product Information Contact:

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